



Maths Ignition 2010

Programme Details	
Organiser	: The Hong Kong Academy for Gifted Education (HKAGE)
Tutors	: International Mathematical Olympiad Hong Kong Committee (IMOHKC) (Mr Bobby Poon & Dr Koopa Koo)
Objectives	: <ul style="list-style-type: none">● To widen students' horizons in mathematics through various mathematical explorations;● To introduce common topics in mathematics competitions via investigation approach;● To strengthen students' problem solving skills.
Content	: <ul style="list-style-type: none">● Mathematical explorations and investigations;● Construction of mathematical knowledge on the basis of junior secondary mathematics curriculum;● Bridging to the curriculum for International Mathematical Olympiad Training.
Level	: Introductory level
Duration	: 23 January to 20 March 2010
Time	: 2:00 – 5:00 pm
Venue	: To be confirmed
Target Participants	: Priority will be given to S1 to S3 student members in Maths Domain (Other interested student members can also apply)
Capacity	: 40
Medium of Instruction	: Cantonese with English handouts
Application & Deadline	: Submit the completed application form 1) by mail: The HKAGE - SPS, E326, East Block, Kowloon Tong Education Services Centre, 19 Suffolk Road, Kowloon Tong OR 2) by fax (fax no. 2490 4730) <u>on or before Mon, 11 Jan 2010 to the HKAGE.</u>
Result Announcement	: Name list of successful applicants will be posted to the HKAGE's website <u>www.hkage.org.hk on Mon, 18 Jan 2010.</u> No further notification will be made.
Award	: Participants who able to achieve an attendance rate of <u>not less than 80%</u> with satisfactory performance will award a certificate of completion.
Enquires	: Please contact Project Officer, Ms Shirley Kwok on 3698 3502.

The course details are as follows:

Date	Topics	Instructor
23 Jan 2010	Locus	Bobby Poon
30 Jan 2010	Basic Combinatorics and Pigeonhole Principle	Koopa Koo
6 Feb 2010	Special Points of Triangles	Bobby Poon
20 Feb 2010	Solving Triangles	Bobby Poon
27 Feb 2010	Modulo Arithmetic and Exploring Quadratic Reciprocity	Koopa Koo
6 Mar 2010	Continued Fractions	Koopa Koo
13 Mar 2010	Inequalities	Bobby Poon
20 Mar 2010	Ideas of Calculus	Koopa Koo